

Substitute Form PTO-1449 (Modified) MAR 11 2002 Information Disclosure Statement by Applicant (Use separate sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 00786-443001	Application No. 10/016,244
	Applicant Guillermo J. Tearney et al.		
	Filing Date October 30, 2001	Group Art Unit	

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
SS	AA	5,045,936	09/03/91	Lobb et al.	358	100	

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
SS	AB							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
SS	AC	Boas et al., "Diffusing temporal light correlation for burn diagnosis," <u>SPIE</u> , 2979:468-477, 1999
	AD	Briers, J. David, "Speckle fluctuations and biomedical optics: implications and applications," <u>Optical Engineering</u> , 32(2):277-283, 1993
	AE	Clark et al., "Tracking Speckle Patterns with Optical Correlation," <u>SPIE</u> , 1772:77-87, 1992
	AF	Facchini et al., "An endoscopic system for DSPI," <u>Optik</u> , 95(1):27-30, 1993
	AG	Hrabovsky, M., "Theory of speckle displacement and decorrelation: application in mechanics," <u>SPIE</u> , 3479:345-354, 1998
	AH	Kirkpatrick, Sean J. and Brooks, Brent W., "Micromechanical behavior of cortical bone as inferred from laser speckle data," <u>Journal of Biomedical Materials Research</u> , 39(3):373-379, 1998
	AI	Kirkpatrick, Sean J. and Cipolla, Marilyn J., "Laser speckle microstrain measurement in vascular tissue," <u>SPIE</u> , 3598:121-129, 1999
	AJ	Loree et al., "Mechanical Properties of Model Atherosclerotic Lesion Lipid Pools," <u>Arteriosclerosis and Thrombosis</u> , 14(2):230-234, 1994
	AK	Podbielska, H., "Interferometric Methods and Biomedical Research," <u>SPIE</u> , 2732:134-141, 1999
	AL	Richards-Kortum et al., "Spectral diagnosis of atherosclerosis using an optical fiber laser catheter," <u>American Heart Journal</u> , 118(2):381-391, 1989
	AM	Ruth, B., "Blood flow determination by the laser speckle method," <u>Int J Microcirc: Clin Exp</u> , 9:21-45, 1990
	AN	Shapo et al., "Intravascular Strain Imaging: Experiments on an Inhomogeneous Phantom," <u>1996 IEEE Ultrasonics Symposium</u> , 2:1177-1180, 1996
	AO	Shapo et al., "Ultrasonic Displacement and Strain Imaging of Coronary Arteries with a Catheter Array," <u>1995 IEEE Ultrasonics Symposium</u> , 2:1511-1514, 1995
	AP	Thompson et al., "Imaging in scattering media by use of laser speckle," <u>Opt. Soc. Am. A</u> , 14(9):2269-2277, 1997
	AQ	Thompson et al., "Diffusive media characterization with laser speckle," <u>Applied Optics</u> , 36(16):3726-3734, 1997
	AR	Tuchin, Valery V., "Coherent Optical Techniques for the Analysis of Tissue Structure and Dynamics," <u>Journal of Biomedical Optics</u> , 4(1):106-124, 1999






Examiner Signature

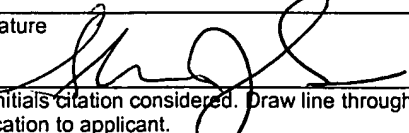
Date Considered

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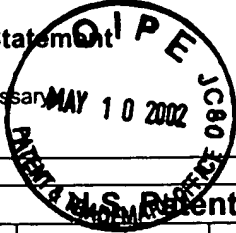
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Other Documents (include Author, Title, Date, and Place of Publication)

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	AS	Wussling, M. and Schenk, W., "Laser diffraction and speckling studies in skeletal and heart muscle," <u>Biomed. Biochim. Acta</u> , 45(1/2):S 23-S 27, 1986
	AT	Yoshimura, T., "Statistical properties of dynamic speckles," <u>J. Opt. Soc. Am. A.</u> , 3(7):1032-1054, 1986
	AU	Zimnyakov et al., "Spatial speckle correlometry in applications to tissue structure monitoring," <u>Applied Optics</u> , 36(22):5594-5607, 1997
	AV	Zimnyakov et al., "A Study of Statistical Properties of Partially Developed Speckle Fields as Applied to the Diagnostics of Structural Changes in Human Skin," <u>Optics and Spectroscopy</u> , 76(5):747-753, 1994
	AW	Zimnyakov et al., "Speckle patterns polarization analysis as an approach to turbid tissue structure monitoring," <u>SPIE</u> , 2981:172-180, 1999

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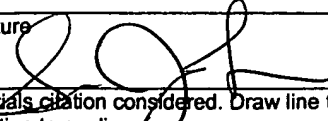


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U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
SS	AA	5,291,885	Mar. 8, 1994	Taniji et al.	128	633	
SS	AB	5,293,873	Mar. 15, 1994	Fang	128	664	
	AC						
	AD						
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							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

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